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The claims defining the invention are as follows:

- 1. A method of removing a residual gas from inside a conventional shipping container, the method comprising the steps of:
 - accessing the container;

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- extracting at least some of the residual gas present in the container; and
- providing a flow of a flushing gas into the container to flush residual gas from the container.
 - 2. A method as claimed in claim 1 wherein the step of extracting the residual gas reduces gas pressure in the container below ambient atmospheric pressure outside the container.
 - 3. A method as claimed in claim 2 wherein when the pressure of residual gas in the container reaches a pre-determined value, the flow of flushing gas is initiated and the gas pressure in the container increases.
 - 4. A method of removing a residual gas from inside a conventional shipping container, the method comprising the steps of:
 - accessing the container;
 - providing a flow of a flushing gas into the container to flush the residual gas from the container; and
 - extracting a flow of the flushing gas and the residual gas until at least some of the residual gas present in the container is removed.
 - 5. A method as claimed in any one of the preceding claims wherein the total pressure of gases within the container is monitored and controlled.

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6. A method as claimed in any one of the preceding claims wherein a majority of the residual gas present in the

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container is extracted.

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- 5 7. A method as claimed in any one of the preceding claims further comprising the step of absorbing/adsorbing at least part of the residual gas extracted from the container into/onto an absorption/adsorption means.
- 10 8. A method as claimed in claim 7 wherein substantially all of the extracted residual gas is absorbed/adsorbed into/onto the absorbing/adsorbing means.
- 9. A method as claimed in claim 7 or claim 8 further comprising the step of washing the absorption/adsorption means to remove the absorbed/adsorbed residual gas.
 - 10. A method as claimed in any one of the preceding claims wherein the step of accessing the container involves:
 - opening a door of the container; and
 - operatively coupling a gas inlet means and a gas extraction means to the container at the open door so that the container is sealed during the extraction and flushing of gases.

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- 11. A method as claimed in claim 10 wherein the flushing gas is introduced via the gas inlet means.
- 12. A method as claimed in claim 10 or claim 11 wherein gas30 is extracted via the gas extraction means.
 - 13. A method as claimed in any one of the preceding claims wherein the flushing gas is atmospheric air.
- 35 14. A method as claimed in any one of the preceding claims wherein the container is provided with means for monitoring

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and controlling the pressure of gas in the container.

15. A method of removing a residual gas that is present in an enclosure, the method comprising the steps of:

- accessing the enclosure to operatively couple a gas inlet means and a gas extraction means thereto;
- extracting a flow of the residual gas via the gas extraction means until at least some of the
- residual gas present is removed; and
- providing a flow of a flushing gas into the enclosure via the gas inlet means to flush the residual gas from the enclosure.
- 16. A method as claimed in claim 15 wherein the step of extracting the residual gas reduces gas pressure in the enclosure below ambient atmospheric pressure outside the enclosure.
- 17. A method as claimed in claim 16 wherein when the pressure of residual gas in the enclosure reaches a predetermined value, the flow of flushing gas is initiated and the gas pressure in the enclosure increases.
- 18. A method of removing a residual gas that is present in an enclosure, the method comprising the steps of:
 - accessing the enclosure to operatively couple a gas inlet means and a gas extraction means thereto;
 - providing a flow of a flushing gas into the enclosure via the gas inlet means to flush the residual gas from the enclosure; and
 - extracting a flow of the flushing gas and the residual gas via the gas extraction means until at least some of the residual gas present in the enclosure is removed.

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- 19. A method as claimed in any one of claims 15 to 18 wherein the enclosure is defined by a conventional shipping container.
- 5 20. A method as claimed in any one of claims 15 to 19 wherein the method is otherwise as defined in any one of claims 5 to 14.
- 21. Residual gas removal apparatus arranged to be operatively coupled to an enclosure for removing residual gas from inside the enclosure, the apparatus comprising:

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- gas inlet means for introducing a flushing gas into the enclosure;
- gas extraction means for extracting gas from the enclosure;
- pressure monitoring means for monitoring the total pressure of gases within the enclosure; and
- controlling means for controlling the flow of gases through at least one of the gas inlet and gas extraction means in response to the monitored pressure within the enclosure.
- 22. Apparatus as claimed in claim 21 further comprising absorption/adsorption means for absorbing/adsorbing residual gas extracted from the container.
 - 23. Apparatus as claimed in claim 22 wherein the absorption/adsorption means comprises an absorption/adsorption bed including activated carbon to which at least part of the extracted residual gas attaches at its surface and in its pores.
- 24. Apparatus as claimed in any one of claim 21 to claim 23 wherein the residual gas removal apparatus also comprises a panel arranged in use to be coupled to the enclosure in a

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sealing manner, the gas inlet means and the gas extraction means operatively coupled or mounted to the panel.

- 25. Apparatus arranged to be operatively coupled to an enclosure for removing residual gas from inside the enclosure, the apparatus comprising:
 - a framework mountable onto a surface and locatable adjacent to the enclosure in use; and
 - a member mounted to the framework and comprising gas inlet means for introducing a flushing gas into the enclosure, gas extraction means for extracting gas from the enclosure and coupling means for coupling the member to the enclosure;

wherein the member is moveable between an in use coupled position in which the coupling means couples the member to the enclosure and a de-coupled position in which the member is spaced from the enclosure.

- 26. Apparatus as claimed in claim 25 wherein the member is pivotally mounted to the framework.
 - 27. Apparatus as claimed in claim 25 or claim 26 wherein the member further comprises a panel for coupling to an opening in the enclosure.

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28. Apparatus as claimed in any one of claims 25 to 27 which is otherwise as defined in any one of claims 21 to 24.